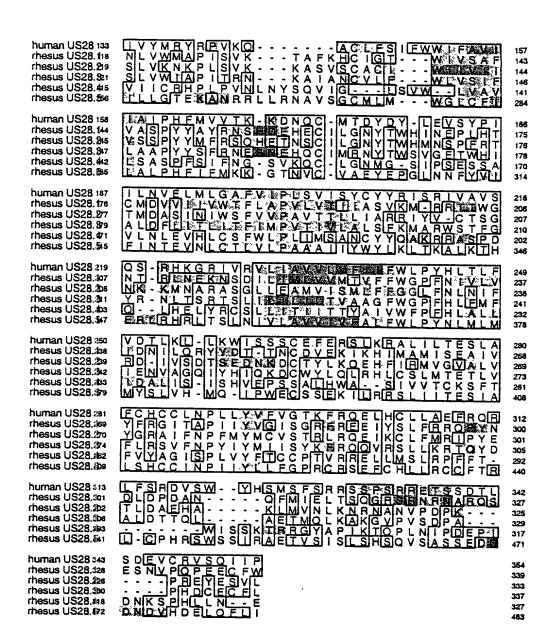
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ATGACACCGACGACGACGCGCGGAACTCACG M
/HL/E
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HUE
         TGTGTCCTCACCGACGTGCTTAATCAGTCGAAG #
VHUE.
         CCAGTCACGTTGTTTCTGTACGGCGTTGTCTTT 198
VHUE
         CTCTTCGGTTCCATCGGCAACTTCTTGGTGATC 165
VHUE
         TTCACCATCACCTGGCGACGTCGGATTCAATGT IN
VHUE
         TCCGGCGATGTTTACTTTATCAACCTCGCGGCC 211
VHLE
         GCCGATTTGCTTTTCGTTTGTACACTACCTCTG 284
VHLÆ
         TGGATGCAATACCTCCTAGATCACAACTCCCTA 267
VHUE
         GCCAGCGTGCCGTGTACGTTACTCACTGCCTGT 250
VHUE
          TTCTACGTGGCTATGTTTGCCAGTTTGTGTTTTT xx
VHUE
          ATCACGGAGATTGCACTCGATCGCTACTACGCT 366
VHLJE
          ATTGTTTACATGAGATATCGGCCTGTAAAACAG 489
VHLE
          GCCTGCCTTTTCAGTATTTTTTTGGTGGATCTTT 462
VHL/E
          GCCGTGATCATCGCCATTCCACACTTTATGGTG 495
VHIJE
          GTGACCAAAAAGACAATCAATGTATGACCGAC 828
VHUE
          TACGACTACTTAGAGGTCAGTTACCCGATCATC 801
 VHLÆ
          CTCAACGTAGAACTCATGCTCGGTGCTTTCGTG 594
 VHUE
          ATCCCGCTCAGTGTCATCAGCTACTGCTACTAC 627
 VHLÆ
          CCCATTTCCAGAATCGTTGCGGTGTCTCAGTCG ...
 VHLE
          COCCACAAAGGCCGCATTGTACGGGTACTTATA 698
 VHUE
          GCGGTCGTGCTTGTCTTTATCATCTTTTGGCTG 724
 VHLJE
          CCGTACCACCTGACGCTGTTTGTGGACACGTTG 750
 VHL/E
           AAACTGCTCAAATGGATCTCCAGCAGCTGCGAG 702
 VHLVE
           TTCGAAAAATCACTCAAGCGCGCGCTCATCTTG ez
 VHLE
           ACCGAGTCACTCGCCTTTTGTCACTGTTGTCTC #58
 VHLE
        226
           AATCCGCTGCTGTACGTCTTCGTGGGCACCAAG #1
 VHL/E
           TTTCGGCAAGAACTGCACTGTCTGCTGGCCGAG 224
  VHLE
           TTTCGCCAGCGACTGTTTTCCCGCGATGTATCC #57
  VHL/E
           TGGTACCACAGCATGAGCTTTTCGCGTCGGAGC 550
  VHUE
           TCGCCGAGCCGAAGAGAGACGTCTTCCGACACG 1023
  VHLE
           CTGTCCGACGAGGCGTGTCGCGTCTCACAAATT 1056
  VHUE
           ATACCGTAA
  VHLÆ
```

Fig. 1A

Fig. 1B

human US28 1 rhesus US28.1 1 rhesus US28.2 1 rhesus US28.3 1 rhesus US28.4 1 rhesus US28.5 1	MIPIT	5 1 4 4 0 32
human US28 6 rhesus US28.1 2 rhesus US28.2 5 rhesus US28.3 5 rhesus US28.4 1 rhesus US28.53	TTTGTTSTLTT ISTTSNATS ITSNLSTTGNQT	12 1 4 4 0 64
human US28 13 rhesus US28.1 2 rhesus US28.2 5 rhesus US28.3 5 rhesus US28.4 1 rhesus US28.55	ATTNATTESSTLTTSTNISSTESTVSTVASNA	12 4 6 7 15 96
human US28 13 rhesus US28.1 5 rhesus US28.2 7 rhesus US28.3 8 rhesus US28.46 rhesus US28.597	TONSTITTNITTHE TONSTITE GPVITG	12 8 9 11 21
human US28 13 rhesus US28.1 9 rhesus US28.2to rhesus US28.3t2 rhesus US28.4z2 rhesus US28.8z9	NY LNASA PSRY I A I NESLASYG IAPAAT I NGTFETFK ITRP VA I ATTIETTSFDYDESAEACNLTDIVHTTRSVTV	37 23 24 25 21 160
human US28 38 rhesus US28, 124 rhesus US28, 25 rhesus US28, 25 rhesus US28, 422 rhesus US28, 561	TLYSIAGLEGGVTGNLLT LYLVK - KRKERYSS TLYSIAGLEGGVTGNLLT LYLFT - BRIHMFAN SAYTVEV LGNIVL SVEVV - KRKLKFPN YTCV FLEGULGHFY LYMKN - OHBUG NSFS	68 54 56 57 51 191
human US28 69 rhesus US28.155 rhesus US28.26 rhesus US28.36 rhesus US28.452 rhesus US28.552	D V Y F F H A S M A D L VISIT V M L P L W L H Y V L N F A O L S D I YYU N M I F T D F L V A T L P A W V Y Y L L N Y T O L S D I Y F F N A S L A D V F A C M L P A W V N Y A L D S T O L S D V L F H L M I T E E V F T L T I P V W A Y H L T I H G N L P	100 86 87 89 83 223
human US28 101 rhesus US28, la7 rhesus US28, 28 rhesus US28, 30 rhesus US28, 44 rhesus US28, 524	HYACIALS FYFY VS I FIDAD FM VAVA I ER - YELLER -	132 117 118 120 114 255

FIG. 2 (Page 1 of 2)



F16.2 (Page 2 of 2)

```
human UL78
                 M S P S V E E T T S V T E S I M F AND V S F K H M G P F E G Y
                                                                                    31
rhesus UL78
                 SMSADRAASDLLIGMFGSVSLWNEETEGCL
-MITERVLAGFLAGMTAAGSLVEELAVV - - M
human UL78 32
                                                                                    62
rhesus UL78
                                                                                    28
                           TRP--PASVMIFTWNLVLSQFFSLADRAGMPMAVGHYTGNLVLTQVERCAEFS
human UL78
            63
                                                                                    91
rhesus UL78
                                                                                    59
                   MLSKGIMLRGALNLSLCREVLFVDDVGL
MLASKIVGMTSAANMGF@GENVFLEDTG
human UL78
                                                                                    122
            92
rhesus UL78
            60
                                                                                    89
                   ALFIMENTILDRLSAISYGRDLWHHIG-TSULFWHMILDRMAAFLNGRLFWRQ
human UL78 123
                                                                                    152
rhesus UL78
                                                                                    120
                 AGVALYAVA FAWVLS VAAVPTAATGSLDYRNLSTSVYTTEEGCWVLGMAAAVPSAAVAAPNS
human UL78 153
                                                                                    183
rhesus UL78 121
                                                                                    151
                 WLGCQIPIQYAAVDLTIKMWFLLGAPMIAVL
BWERCEIPVSYAAIDMIVKLWFVLLABVVL
human UL78 184
                                                                                    214
rhesus UL78 152
                                                                                    182
                                YSDREDHVWSYVGRVCTFYVTGEM
SYLLERERIWYYARRVFMFYTACE
human UL78 215
                                                                                    245
rhesus UL78 183
                                                                                    213
                                  RV - - - - - LRGV -
VRVMLSDFALVDI
human UL78 246
                                                                                    269
rhesus UL78 214
                                                                                    244
                 FGIMDYVELATRILLIMRLGILPE FS DSTFLDYLNMFTHVIYSFKLVVEA FFS
human UL78 270
                                                                                    300
rhesus UL78 245
                                                                                    275
                                  DSFDYLVERCQQSCHGHFVRRLV
EECLERADAEROSHSEASOGERR
human UL78 301
                                                                                    331
rhesus UL78 276
                                                                                    306
                                          AVCYFSTSVRDVAEAVKKS
LIKQYVSTLSKATHDNSGE
human UL78 332
                                                                                    362
rhesus UL78 307
                                                                                    337
                         YADATSAAVVVVTTTTSEKATLVEHA
PENAEDIGTTGSDQLPTEVTVTPNS
human UL78 363
                                                                                    393
rhesus UL78 338
                                                                                    368
                 MASEMCPGTTIDVSAESSSVLCTDGENTVAS
VFSTGGTVSPV
human UL78 394
                                                                                    424
rhesus UL78 369
                                                                                    379
human UL78 425
                 DATVTAL
                                                                                    431
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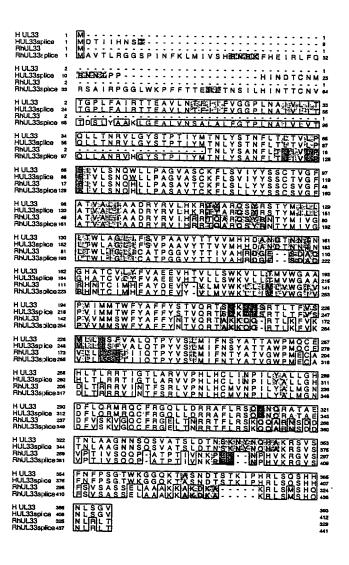
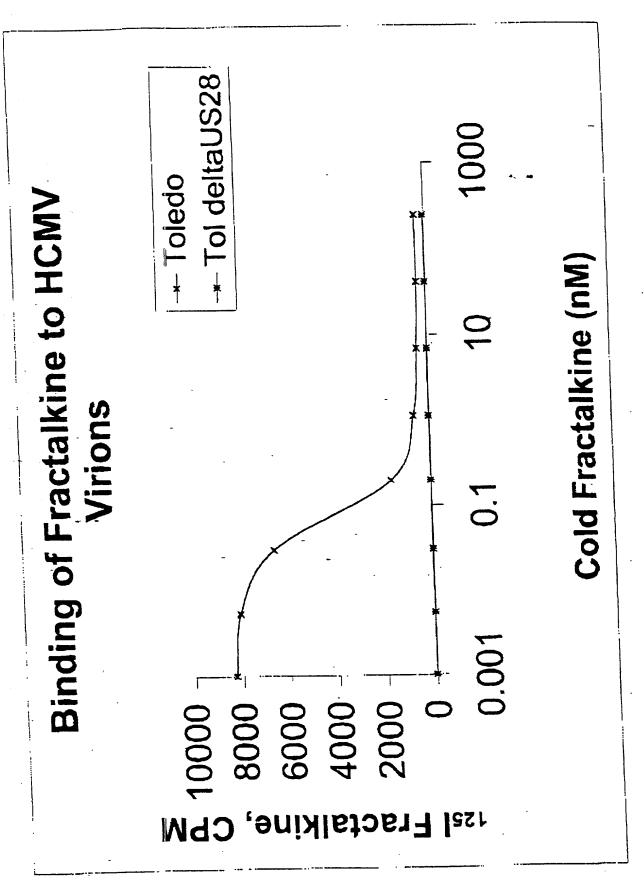
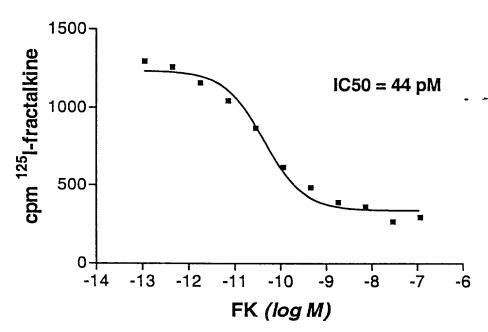


FIG. 4

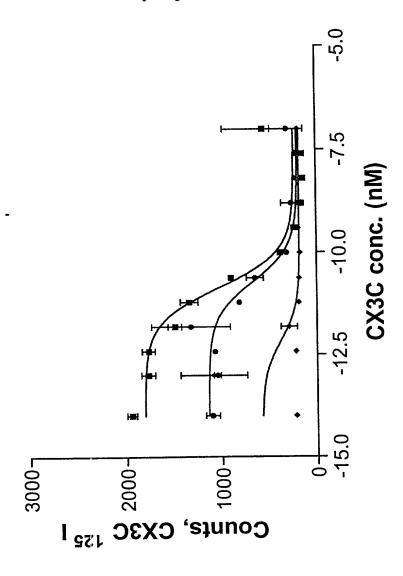


F1G. 5

Fractalkine Homologous Competition on Rh-CMV Infected Fibroblasts



Sucrose Virions/CX3C binding



HDF Toledo delta28 Virions

RhDF Rh68.1 Virion

HDF Toledo Virions

F1G. 7